CLAIMS

A polymerizable acrylate compound represented by the general formula
 (1):

$$CF_3$$
 CF_3
 CF_3

(in the formula, R¹ represents a hydrogen atom, halogen atom, hydrocarbon group or fluorine-containing alkyl group, R² and R³ may be different or identical, and each of them independently is a hydrogen atom, fluorine atom, hydrocarbon group optionally branched, fluorine-containing alkyl group, aromatic group, or cyclic structure containing an aliphatic group and may contain oxygen or carbonyl bond).

- 2. A polymerizable acrylate compound according to claim 1, which is characterized in that each of the hydrocarbon group and the fluorine-containing alkyl group has a carbon number of 1-20.
- 3. A polymerizable acrylate compound according to claim 1, which is characterized in that each of the hydrocarbon group and the fluorine containing alkyl group has a carbon number of 1-4.

4. A polymerizable acrylate compound according to claim 1, which is characterized by being represented by any one of the general formulas (2) to (5),

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- 5 (in the formulas R^2 and R^3 are defined as in the general formula (1)).
 - 5. A polymerizable acrylate compound according to any one of claims 1 to 4, which is characterized in that each of R^2 and R^3 of the general formula (1) is a hydrogen atom.

6. A polymer compound obtained by a polymerization or copolymerization using a polymerizable acrylate compound according to claim 1.

- 7. A polymer compound according to claim 6, which is characterized by being obtained by a copolymerization with at least one monomer selected from olefins, fluorine-containing olefins, acrylic esters, methacrylic esters, fluorine-containing acrylic esters, fluorine-containing methacrylic esters, norbornene compounds, fluorine-containing norbornene compounds, styrene compounds, fluorine-containing styrene compounds, vinyl ethers, and fluorine-containing vinyl ethers.
- 8. A polymer compound according to claim 6, which is characterized by containing a unit represented by the following formula (10).

$$CF_3$$
 CF_3 CF_3 CF_3 CF_3

9. A polymer compound according to claim 6, which is characterized by containing two units represented by the following formula (11).

$$CF_3$$
 CF_3 CF_3 CF_3 CF_3 CF_3

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10. A polymer compound according to claim 6, which is characterized by containing two units represented by the following formula (12).

$$CF_3$$
 CF_3
 CF_3

5 11. A polymer compound according to claim 6, which is characterized by containing two units represented by the following formula (13).

12. A polymer compound according to claim 6, which is characterized by containing two units represented by the following formula (14).

13. A polymer compound according to claim 6, which is characterized by containing two units represented by the following formula (15).

$$CF_3$$
 CF_3
 CF_3

5.